

CLASSIFICATION

CENTRAL INTELLIGENCE AGENCY

REPORT NO.

INFORMATION REPORT

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COUNTRY Czechoslovakia

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SUBJECT Lanskrout Works of
Tesla

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1. Affiliation:

Czechoslovak zavody kovodelne a strojirenske n.p. (Czech
slovakian Metalworking and Engineering Industry, National Corporation)

Controlling plant: 'Tesla, National Corporation

2. History:

(The Lanskrout Works (P 50/N 38) of Tesla was formed
by the merger and affiliation of several enterprises in
Czechoslovakia (Steatite-Magnesia-Dralowit, Jablonec nad Nisou
(~~0-51/G-26~~), Blaupunkt, Liberec (~~0-51/G-26~~); Gustav Klein,
Ernov (~~0-51/G-11~~); Ideal-Radio, Kolin (~~0-51/A-96~~) and many
other small liquidated firms.)

3. Management:

(Manager of the plant: Engineer Sejda, 45 years old.*
Operating engineer: Vaclav Dvorak, age 35.)

4. Labor and staff:

About 1,700 persons, including about 90 permanent employees.
The number of employed persons will be 2,400 by the end of
1949 and, as a result of the unification and concentration of
the production of components for weak-current devices in the
Lanskrout Works, will reach 3,500 by the end of 1950.)

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5. Work time:

Two shifts.

Organization: Data system. The technical preparation is unified for all groups of production; the production of individual parts is organized in the workshops.

6. War damage:

None

7. New construction :

(A new building is to be constructed near the plant in 1950 to expand the production.)

8. Production installations:

a Prefabrication: Eight automatic machines for making punchings for weak-current components, about 20 semi-automatics for the same purpose, about 7 heavy presses, 25 to 30 different fashioning machines.

b Electrolyte section: Four strip-making machines of Swiss origin and two new ones from France to cut the paper for the electrolytes, prepare the foils and do the filling with the electrolytic solution. Three machines for roughening and mordanting the foils. Fourteen rows of pattern stands (each row with 5,000 seats). About 50 special measuring instruments. Installation for boiling the electrolytic solutions.

c Block section: (for high and low voltages) Manufacture on the belt conveyor, with about 15 belts running simultaneously, five for Polish requirements under the supervision of a Polish engineer. Special installation for manufacturing capacitors by means of metalized paper - a procedure unique in Europe. Such capacitors are made only for the Soviet Union, Bulgaria and Poland, and all deliveries must be approved by the Military Technical Institute.

d Resistance section: Installation for a weekly production of about 500,000 pieces; winding machines, grinding machines, adjusting automatics, two sets of annealing machines, varnishing installations, numerous measuring instruments. The capacity of this installation can only be 50 percent utilized due to selling difficulties.

e Telephone parts section: The complete installation was transferred to Wanshoun from the Tesla Works in Praha-Havlin as late as June 1949 and was not known to source.

f Potentiometer section: Only auxiliary installations for assembling potentiometers (presses, flanging machines, straightening machines, fixing machines).

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Section coils, relays, batteries and auxiliary components:
 The installation was taken there from various factories of the Tesla Works n.p. and from private plants and liquidated firms. The majority of these machines, about 2,000, is still deposited in stores; about 500 are rusting in open yards.

Manufacturing section of the Military Technical Institute:
 No persons are admitted except those employed there. About 80 persons are employed in this section, 50 belong to the Military Technical Institute of Kbely and 30 to the plant. Various measuring instruments for different purposes and aiming devices for aircraft are assembled. The installations came from other factories and the **setting-up** operations are still going on.

9. (Production:

All kinds of parts for radio sets, all electrical parts for telephones, transmitters and measuring instruments, all weak-current accessories for a variety of purposes. The production section of the Military Technical Institute does not belong to the plant and it manufactures only direction finding equipment and special measuring instruments for purely military purposes. This section works on an experimental basis and uses only weak-current parts of tropical type, i.e. those which are insensitive to influence by weather.)

10. (Capacity:

Only amplifiers were made in 1945 and 1946. The manufacture of electrolytic condensers was started in 1946, about 100,000 pieces being produced then. This production was raised to 1,200,000 pieces annually in 1947 and 1948 and about 400,000 potentiometers and about 50,000,000 pieces of **resistors** were produced in 1948. The total number of all condensers (capacitors) amounted to about 40 - 50,000,000 pieces in 1948 and the production has steadily increased. The production of the other parts was not started until January 1949. No production quota is prescribed nor will there be one for 1950. The capacity of the plant could be increased by the introduction of a third shift. A 25 percent increase in capacity will probably be reached as the result of the construction of an additional factory building which is planned for 1950.)

11. Raw materials are supplied by the following firms:

(Metal rolling mills in Rymarov (~~P 50/N 69~~), Paper Mill in Vrane, Plastimat in Jablonec n.l., Kuetgers in Ostrava (~~P 50/10-59~~). Glycol comes from Sweden and the USA, carbon contacts from France, boric acid from Great Britain and special

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foils from Switzerland.)

12. Market:

Produced articles go for assembly to the various production centers of the Tesla n.p. and other Czechoslovakian nationalized plants. Exportation is chiefly to the USSR, Poland and Bulgaria. Metalized paper condensers are exclusively delivered through the Military Technical Institute, the only authorized center for distribution of this article.)

Attachment: Plan of the Lenskroun Tesla Plant.

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Comment: It is possible that this is the same MAN as Engineer Gajda, described in [] as deputy of Tesla National Corporation in Prague.

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1/ Annex

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Legend to Annex:

- A Main entrance
- B Side entrance
- 1 Main factory building
 - Ground floor: Prefabrication
 - Second floor: Electrolyte condensers, blocks, resistance, telephone components
 - Third floor: Potentiometers, coils, relays, batteries, auxiliary components
- 2 Administration building
- 3 Depot for raw material, semi-finished products; chemical preliminary treatment
- 4
 - Ground floor: Production for the **Military Technical Institute**
 - Second floor: Winding shop, transformers, grids, casings
 - Third floor: Reproducers, transmitters, electric parts for automobiles
 - Fourth floor: Laboratory, technical office, apprentices
- 5 Auxiliary workshops, works kitchen
- 6 Chemical store
- 7 Workshop depot
- 8 Planned new shop
- 9 Railroad station of Lanskroun

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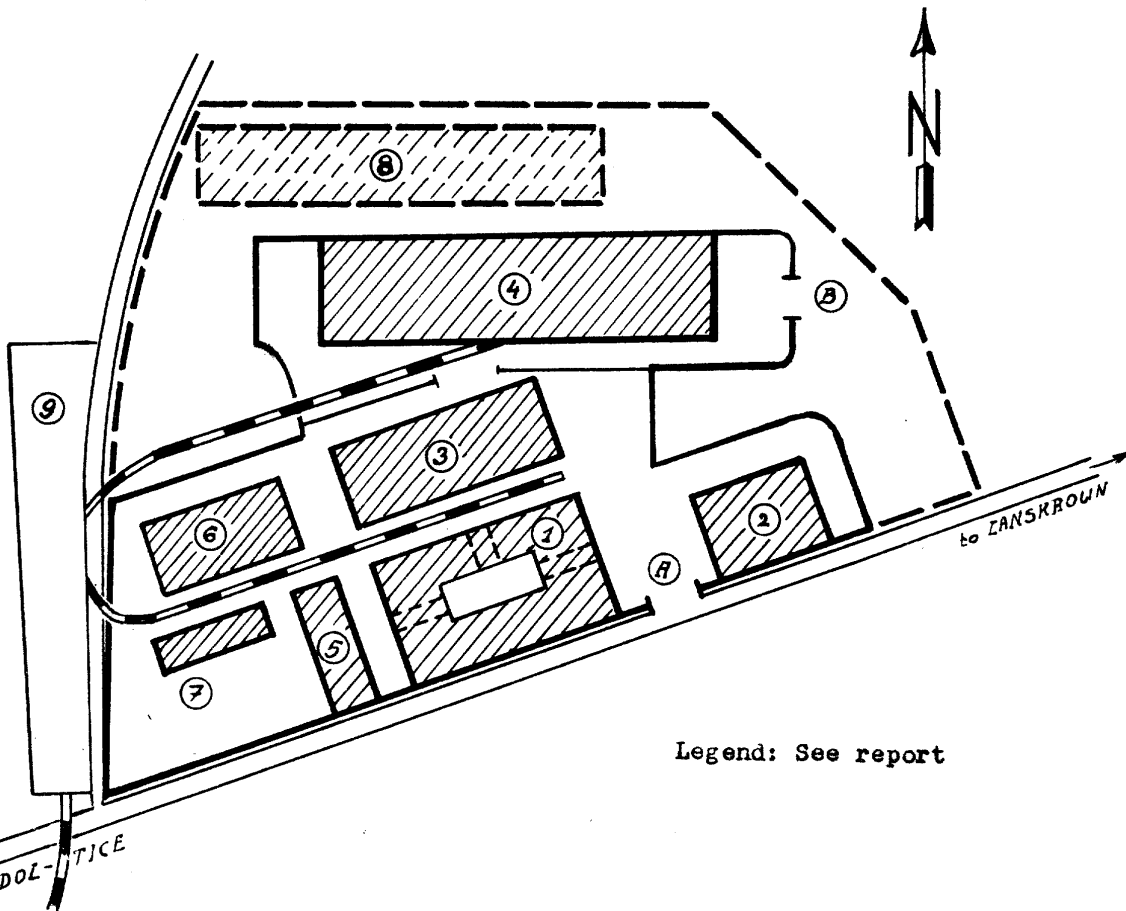
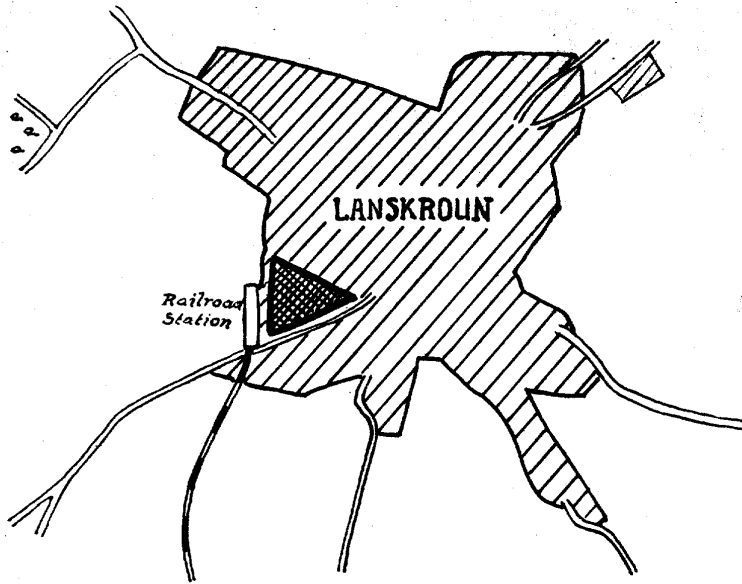
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Annex 1

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~~Lanskroun Tesla Plant~~

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Legend: See report